# ADEC TUNDRA TREATMENT MANUAL Planning Tactics



# **STEPS**

# Consult with Government Agencies

# Characterize Site

Set Treatment Goals

Select Treatment Tactics

Tactics into a Strategy

**Assemble** 

Monitor Treatment and Recovery

# **CONSIDERATIONS**

- Coordinate with government agencies initially to set site-specific treatment goals and during the treatment and monitoring process.
- All site characterization/assessment plans, sampling plans, and monitoring plans must be approved by the Alaska Department of Environmental Conservation (ADEC).
- · What spilled?
- · What is the tundra type?
- What are the effects of the spill residuals on the soils, hydrology, vegetation?
- . Do wildlife or humans use the site?

## **General Tundra Treatment Goals**

- Reduce the toxicity, mobility and volume of spill residuals to (a) allow revegetation, (b) control risks to wildlife, aquatic and human receptors, and (c) return affected tundra to original state with similar plant species composition and abundance and to restore original value to wildlife and humans.
- Protect sensitive tundra soils from physical damage and induced thermal effects

### To The Extent Practicable, Select Tactics To:

- Avoid or minimize treatment impact.
- Achieve a balance between (a) the impact of abandoning the spill residuals on site and (b) physical impacts of treatment and (c) length of recovery time.
- A variety of tactics may be needed throughout the treatment process, or different tactics many be needed at different locations.
- The same tactics may have to be applied more than once.
- Coordinate with government agencies to select or create acceptable monitoring methods and to determine when treatment goals have been reached.